

Converting Colors

XYZ(12.2236, 15.8903, 12.7572)

Have a look what the booklet for
XYZ(12.2236, 15.8903, 12.7572)
contains.

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Color

**XYZ(12.2288, 15.8688,
12.7744)**

Conversions

Conversions Part 1

Format	Color
Hex	54775D
RGB	84, 119, 93
RGB Percent	33%, 47%, 36%
CMY	0.6706, 0.5333, 0.6353
CMYK	0.29, 0.00, 0.22, 0.53
HSL	135°, 17%, 40%
HSV	135°, 29%, 47%
XYZ	12.2288, 15.8688, 12.7744
YIQ	105.5710, -12.5140, -15.5060

Conversions

Conversions Part 2

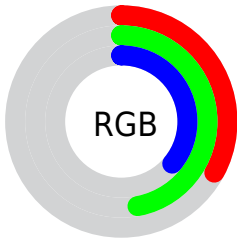
Format	Color
R _Y B	84, 112, 119
Decimal	5535581
CIE Lab	46.80, -18.28, 10.37
CIE LCh	47, 21.017, 150.436
Yxy	15.8688, 0.2992, 0.3883
Android (android.graphics.Color)	4283725661 (0xFF54775D)
YUV	105.5710, -6.1975, -18.9178
Hunter-Lab	39.8357, -14.9163, 8.8720

Details

The XYZ color **12.2288, 15.8688, 12.7744** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.5931, 11.3888, 16.2344**, and the grayscale version is **13.6015, 14.3099, 15.5835**.

A 20% lighter version of the original color is **29.3524, 36.1773, 31.4225**, and **3.4662, 4.9789, 3.4677** is the 20% darker color. If you saturate the color by 10%, you get **10.8837, 15.2185, 10.7844**, and if you desaturate by 10%, it is **13.8011, 16.6319, 15.0121**.

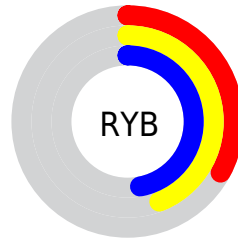
Distribution



Red (33%)

Green (47%)

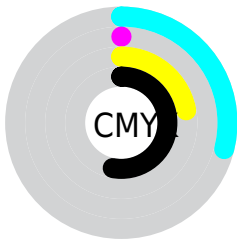
Blue (36%)



Red (33%)

Yellow (44%)

Blue (47%)

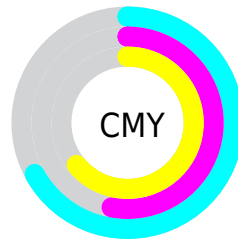


Cyan (29%)

Magenta (0%)

Yellow (22%)

Black (53%)



Cyan (67%)

Magenta (53%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2288, 15.8688, 12.7744 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.2288, 15.8688, 12.7744 by changing the saturation by 10% instead.

■ 12.2288, 15.8688,
12.7744

■ 12.2288, 15.8688,
12.7744

199.6533,
228.5663, 220.6235

■ 6.9730, 9.4314,
7.1445

■ 29.5244, 36.3703,
31.5831

■ 3.4914, 5.0236,
3.4728

■ 42.2949, 51.2031,
45.5990

■ 1.4186, 2.2611,
1.3408

■ 58.3010, 69.6032,
63.2473

■ 0.2694, 0.7530,
0.0949

■ 77.9081, 91.9550,
84.9465

■ 0.0000, 0.0000,
0.0000

■ 101.4815,
118.6427, 111.1152

129.3866,

150.0510, 142.1719

161.9888,
186.5640, 178.5352

■ 12.2288, 15.8688,
12.7744

■ 12.2288, 15.8688,
12.7744

■ 10.8837, 15.2185,
10.7844

■ 13.8011, 16.6319,
15.0121

■ 9.7538, 14.6736,
9.0325

■ 15.6091, 17.5107,
17.5044

■ 8.8279, 14.2290,
7.5100

■ 17.6628, 18.5105,
20.2596

■ 8.0933, 13.8784,
6.2074

■ 19.9709, 19.6359,
23.2849

■ 7.5360, 13.6147,
5.1143

■ 22.5419, 20.8908,
26.5875

■ 7.1396, 13.4297,
4.2198

■ 25.3838, 22.2794,
30.1742

■ 6.8548, 13.2983,
3.5101

■ 28.5042, 23.8054,
34.0516

■ 6.8392, 13.2911,
3.4738

■ 31.9105, 25.4726,
38.2261

■ 35.6097, 27.2843,
42.7039

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.3722, 15.8688, 9.9743



12.2288, 15.8688, 12.7744



11.8355, 15.8688, 17.3550

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.2288, 15.8688, 12.7744



15.1095, 15.8688, 29.4187



18.3191, 15.8688, 12.6664

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.2288, 15.8688, 12.7744



13.5931, 11.3888, 16.2344

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.8757, 15.8688, 17.2020



12.2288, 15.8688, 12.7744



16.9334, 15.8688, 27.4861

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.2288, 15.8688, 12.7744



13.4150, 15.8688, 27.5905



18.3496, 15.8688, 22.7333



16.8835, 15.8688, 9.9214

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.2288, 15.8688, 12.7744



12.0245, 15.8688, 21.0349



18.3496, 15.8688, 22.7333



18.6202, 15.8688, 13.9981

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.2292, 15.8695, 12.7748



28.0139, 31.3863, 31.4305



14.6592, 17.1656, 10.9284



6.5401, 7.3901, 7.3141



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.2292, 15.8695, 12.7748



20.2926, 27.6393, 20.5172



13.0816, 16.2104, 17.2634



3.6757, 4.1122, 4.1262



7.2624, 14.1189, 3.6717



35.0873, 68.6822, 16.2966

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.5931, 11.3888, 16.2344



23.1363, 18.2909, 27.7259



12.7433, 11.0489, 11.7593



3.7883, 3.7426, 4.4122



9.9680, 4.9209, 10.3055



48.2135, 23.8355, 48.3151

Previews

White Background



This preview shows how the XYZ color 12.2288, 15.8688, 12.7744 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.2288, 15.8688, 12.7744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2288, 15.8688, 12.7744

Background



This preview shows how black text looks on a background with the XYZ color 12.2288, 15.8688, 12.7744.



This preview shows how white text looks on a background with the XYZ color 12.2288, 15.8688,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.2288, 15.8688, 12.7744

Protanopia

14.7152, 15.6550, 11.6973

Deuteranopia

16.0178, 15.6646, 13.2457



Tritanopia

13.9853, 15.8904, 21.3988

Trichromacy



Original Color

12.2288, 15.8688, 12.7744

Protanomaly

13.5763, 15.5517, 11.9591

Deuteranomaly

14.3055, 15.5746, 13.0787

Tritanomaly

13.2505, 15.7577, 17.9660

Monochromacy



Original Color

12.2288, 15.8688, 12.7744

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0704, 14.9051, 14.5000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2288, 15.8688, 12.7744 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(84, 119, 93) looks like.

```
.text, #text, p{  
    color:rgb(84, 119, 93)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(84, 119, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 119, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.2288, 15.8688, 12.7744 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 119, 93) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(84, 119, 93) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(84, 119, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 119, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 119, 93);  
box-shadow:4px 4px 4px 4px rgb(84, 119,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2288, 15.8688, 12.7744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 119, 93) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(84, 119,  
93) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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